

**GoToMyPC**<sup>®</sup>

**GoToMyPC**<sup>®</sup>  
Administrator Web Services API

Developer's Guide

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# OVERVIEW OF GOTOMYPC API OFFERINGS

The GoToMyPC Corporate Application Programming Interface (API) offerings provide the ability to integrate the management functions and reporting data of your GoToMyPC Corporate accounts with your account administration and reporting applications. These Web Services APIs enable you to programmatically access your GoToMyPC Corporate accounts using standard web services technologies, including HTTPS, XML, SOAP and WSDL. There are two separate GoToMyPC Corporate API offerings available:

- **GoToMyPC Administrator API:** These API calls provides the ability to programmatically create, modify and delete users and groups in your GoToMyPC Corporate account.
- **GoToMyPC Reporting API:** These API calls enable you to programmatically access report data from your GoToMyPC Corporate account. Examples of report data include user and guest activities, host and connection information and feature settings.

This developer's guide describes the API calls for the GoToMyPC Administrator API offering. The GoToMyPC Reporting API calls are described in the **GoToMyPC Reporting API Developers Guide**. Both guides include a description of the API calls common to both offerings

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## GoToMyPC Administrator API Overview

The GoToMyPC Corporate Administrator Application Programming Interface (API) provides seamless integration of GoToMyPC Corporate user provisioning into your existing IT infrastructure. The ability to create or change the users, managers or groups of your GoToMyPC Corporate account from within your primary management systems simplifies and streamlines the entire process of account management. Integrating these management functions also provides you with the opportunity to synchronize users from your GoToMyPC Corporate account with user accounts from your other applications. This manual describes the functions you are currently able to access from your current online GoToMyPC Corporate Administration Center which are also available programmatically.

### What's New?

Two new Administrator API calls have been added to the document.

- [updateGroupManagerWithLocale](#): The updateGroupManagerWithLocale call allows the details of an existing group manager to be changed. You can see the examples [here](#).
- [updateUserWithLocale](#): The updateUserWithLocale call allows the details of an existing user to be changed. You can the examples [here](#).

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## Benefits

Provisioning your users programmatically with the GoToMyPC Corporate Administrator API allows you to keep your GoToMyPC corporate users in sync with your Active Directory, LDAP directory, or other user authentication repository. This can reduce the number of usernames and passwords an employee must remember, and can help you make sure that only current active employees are authorized to use GoToMyPC with your corporate account.

## Example Implementations

The most common application of the GoToMyPC Administrator Web Services API is to create a simpler account management process and provide synchronization of your user authentication repository, such as LDAP or Active Directory, with your GoToMyPC corporate account.

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## Availability

The GoToMyPC Administrator Web Services API is available to Corporate GoToMyPC Corporate v5 and v6 customers.

For security reasons, by default the GoToMyPC Administrator Web Services API is disabled for all companies. Contact your Account Manager to have the GoToMyPC Administrator Web Services API enabled for your company.

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## Protocol Description

The G2P\_API protocol is based on web services standards. These standards specify the different pieces used to build a web service. This section describes the G2P\_API protocol by providing references to relevant standards and detailed information on the G2P\_API interface.

### HTTP

A transport protocol is required to transmit requests and receive responses from G2P\_API. Although the protocol is not specified in the web services standards, typically, and in the case of G2P\_API, the Hypertext Transport Protocol (HTTP) is used. Each request to and response from G2P\_API is transmitted using HTTPS (HTTP over SSL) and must contain the appropriate HTTP headers. For more information on HTTP see <http://www.w3.org/Protocols/>

It is important to note that the G2P\_API Web Service will only accept requests that are encrypted using SSL. This means that any request made over unencrypted HTTP will result in an HTTP response 403 (Forbidden) error.

Calls to the G2P\_API Web Service should be made using the following URL:  
[https://www.gotomypc.com/services/G2P\\_API](https://www.gotomypc.com/services/G2P_API)

This link is intended to receive requests from a SOAP Web Services Client.

### XML

The Extensible Markup Language (XML) is a text format that is used in the web services standards to encode data. The content of each HTTP message to and from G2P\_API is an XML document. For more information on XML see <http://www.w3.org/XML/>

### SOAP

The Simple Object Access Protocol (SOAP) is a lightweight XML based protocol. The web services standards specify that calls to a web service be encoded using SOAP. The SOAP responses are formatted as SOAP v1.1 compliant messages. For more information on SOAP see <http://www.w3.org/TR/SOAP>.

**Note:** All responses from the G2P\_API are encoded in SOAP v1.1

In each SOAP message XML namespaces are defined for the various attributes and elements of the XML document. G2P\_API defines the following namespaces:

**Table 1 Namespaces**

Namespace	Value
targetNamespace	G2P_API
xmlns:impl	G2P_API
xmlns:intf	G2P_API
xmlns:apachesoap	<a href="http://xml.apache.org/xml-soap">http://xml.apache.org/xml-soap</a>
xmlns:wsdlsoap	<a href="http://schemas.xmlsoap.org/wsdl/soap/">http://schemas.xmlsoap.org/wsdl/soap/</a>
xmlns:soapenc	<a href="http://schemas.xmlsoap.org/soap/encoding/">http://schemas.xmlsoap.org/soap/encoding/</a>
xmlns:xsd	<a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a>
xmlns:wsdl	<a href="http://schemas.xmlsoap.org/wsdl/">http://schemas.xmlsoap.org/wsdl/</a>
<p>The following namespace is not added to the WSDL by the Axis 1.3 WSDL generator. However, many SOAP clients, and skeleton compilers require it. If you are having problems importing the WSDL into your application, try adding the following namespace to the &lt;wsdl:definitions /&gt; tag.</p>	
xmlns	<a href="http://schemas.xmlsoap.org/wsdl/">http://schemas.xmlsoap.org/wsdl/</a>

## WSDL

The web services standards specify the XML based Web Services Description Language (WSDL) to be used to define the interface for a web service. Each web service has a corresponding WSDL document that describes the available messages, operations, and data types. For more information on WSDL see: <http://www.w3.org/TR/wsdl>

The WSDL for G2P\_API describes thirty eight calls in the following groups:

- Common API Calls: **logon**, **logoff**, **setCompanyId**, **getCompanies**, **getGroup**, **getGroups**, **getManagers**, **getUser**, **getUserByEmail**, and **getUsers**. For a description of these calls see [Common API Calls](#).
- Reporting API Calls: **getUsersByHost**, **getHost**, **getHosts**, **getHostsByUser**, **getConnections**, **getGuestConnections**, **getLogin**, **getLoginsByUser**, **getUserEvents**, **getUserEventsByUser**, **getCompanyFeatures**, **getGroupFeatures**, **getUserFeatures**, **getGuestInvites**, **getGuestInvitesByUser**, **getHostAuthEvents** and **getWebAuthEvents**. For a description of these calls see our “GoToMyPC Reporting API Developers Guide”.
- Administrator API Calls: **createGroup**, **updateGroup**, **deleteGroup**, **inviteGroupManager**, **createGroupManager**, **updateGroupManager**, **deleteGroupManager**, **inviteUser**, **createUser**, **updateUser**, and **deleteUser**. For a description of these calls see [Administrator API Calls](#).

The latest version of the WSDL file is included in the zip file as: **G2P\_API.wsdl** or, it can be downloaded from the following URL:

[https://www.gotomypc.com/services/G2P\\_API?wsdl](https://www.gotomypc.com/services/G2P_API?wsdl)

## Data Types

In addition to the standard data types defined for SOAP messages, G2P\_API uses nine additional data types. The definitions of these types, and arrays of these types, are found in the WSDL.

The Data Types available to the Administrator API are described below.

## Member

A Member data object contains all externally available information about a G2P member. Member data objects may contain member data for a manager, or a user. Since only users have the connection count property, it will be empty for managers.

The values are as follows:

**Table 2 Member structure**

Member	Data Type	Description
id	String	Unique member identifier
email	String	Email address
firstName	String	First name
middleName	String	Middle Name
lastName	String	Last name
company	String	Company name
jobtitle	String	Job title
address1	String	Address part1
address2	String	Address part2
city	String	City
state	String	State
zipCode	String	Zip code
country	String	Country
phoneNumber	String	Phone number
timeZone	String	Time zone
status	String	User status. Possible values are (Inactive, Active,
userSince	String	The member has been a user since this date
activeSince	String	The member has been active since this date
passwordChangeDate	String	The last time the member password was changed
lastLoginId	Long	Login id of the last member login
loginCount	Long	Number of logins
failedLoginCount	Long	Number of failed logins
connectionCount	Long	Number of connections
lockoutUntil	String	the date until the member is locked out



## Group

A Group data object contains all externally available information about a G2P group or company.

The values are as follows:

**Table 3 Group structure**

Group Member	Data Type	Description
id	String	Unique group identifier
parentId	String	Group identifier of the parent group (null for companies)
name	String	Group name
pcCount	Long	Number of PC's in this group
totalPcCount	Long	Number of PC's in this group and subgroups

## Field

A Field structure contains a key/value pair describing one piece of information about a meeting. Both key and value are of the string data type. This is true even when the information contained in the value string, represents another type (for example, a date or an integer).

**Table 4 Field Structure**

Field Member	Data Type	Description
name	String	The name of the field
value	String	The value of the field

**Note:** All date/time values sent or received through the G2P\_API Web Service are in the time zone assigned for your company.

## Calls

Each call to G2P\_API consists of a request and a response. Every request must contain the appropriate HTTP Headers and a SOAP message. The SOAP message must contain all parts required by the specification, including the envelope and a request defined in the WSDL. Every successful response will contain the appropriate HTTP Headers and a complete SOAP message.

## Connections

In G2P\_API, a connection is defined as a contiguous period of time during which the client has been authenticated by the service and can successfully make non-**logon** requests.

A ConnectionID is a random string that uniquely identifies each connection. A connection is created and a ConnectionID generated when a client successfully makes a logon request. A valid ConnectionID is a required parameter for every request except logon.

A connection is terminated and its ConnectionID invalidated when one of two things happen:

1. The client issues a logoff call.
2. The client issues no call for 15 minutes, and the connection times out.

Once a connection is terminated, a new connection must be created before non- **logon** requests can be issued.

## Rate Limit

A WSAPI client may only make a certain number of calls per second. If this rate is exceeded, a RateLimitExceeded fault will be thrown. You may not make additional calls for one (1) second after this exception. The approximate limit is ~ 20 calls per second.

## Concurrent Connections

The G2A\_API allows up to 10 concurrent connections per account. This means that you can login to the API from up to 10 separate computers, or applications using the WSAPI without affecting the login status of any other session. If you exceed this limit, when making the logon call, you will receive a fault which notifies you that you've exceeded this limit

## Faults

If a call request is unsuccessful, the normal response will not be returned. Instead a SOAP Fault will be returned. Faults consist of two parts: A fault code and a fault string. The fault code identifies the error and the fault string provides a brief human readable description of what went wrong.

G2P\_API defines faults in addition to the faults defined in the SOAP specification. All the G2P\_API faults can be classified into two groups. Common Faults can occur during any call and may not be specifically related to the call. Call Specific Faults occur only in the context of a specific call. The descriptions of Call Specific Faults are listed with each call in the API Calls section.

**Table 5 Common Faults**

Fault Code	Description
Server	An unknown error occurred on the G2P web service.
Server.Authentication	An unknown error occurred on the G2P web service while trying to authenticate the request.
Client.Authentication.NotAuthorized	<ul style="list-style-type: none"> <li>• The connection has been terminated</li> <li>• WSAPI access not enabled by an admin</li> <li>• The API method is not part of the companies WSAPI feature level</li> <li>• The company is not active</li> </ul>
Client.RateLimitExceeded	You have made too many requests too frequent. By default, one request per second is allowed. Please wait at least one second before your next request.
Client.MissingParameter.ConnectionId	Every request except the logon request needs to supply a valid ConnectionId
Client.InvalidParameter.ConnectionId	You have supplied an invalid ConnectionId
Client.MethodNotSupported	The method exists but is not supported in the version the client is authenticated with.

# COMMON API CALLS

## Logon

### Description

The logon call authenticates the user and establishes a connection for issuing further requests. The successful result of this call is a ConnectionID, a unique string used in all other requests to identify the connection.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 6 logon Request Parameters**

Name	Description
email	G2P Manager email address. Required
password	The Manager password. Required.
version	Protocol version number. Required. Version "2.0" Supports both Administrator API and Reporting API. Version "1.0" may be used if only the Reporting API calls are to be used.

### Response

If the correct version number is supplied and the user is successfully authenticated, this call returns a string ConnectionID that uniquely identifies the connection (See [Connections](#)).

### Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **logon** request:

### Security

If the **logon** call is made, with incorrect credentials 3 times, it will result in a soft lockout of 5 minutes.

**Table 7 logon Specific Faults**

Fault Code	Description
Client.MissingParameter.Email	Missing Email Parameter
Client.MissingParameter.Password	Missing Password Parameter
Client.MissingParameter.Version	Missing version parameter
Client.InvalidParameter.Version	Invalid version parameter.
Client.Authentication.SoftLockout	3 failed logon attempts resulted in a 5 minute soft lockout
Client.Authentication.SessionLimitExceeded	Manager exceeded the number of allowed concurrent sessions.

## logoff

### Description

The **logoff** call ends a connection and invalidates the ConnectionID. (See [Connections](#))

### Request

In addition to the headers required for all requests ([See Calls](#)), the only required parameter is a valid ConnectionID (See [Connections](#)).

**Table 8 logoff Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.

**Response**

No values are returned if this call is successful.

**Faults**

Only the common faults and connection faults (See [Faults](#)) are applicable to the **logoff** request.

## setCompanyld

### Description

The **setCompanyld** method sets the companyld for subsequent WSAPI calls and allows switching between multiple companies without a logoff/logon. The companyld is obtained by calling the getCompanies method and use the Id property value of the desired data object. If the company belonging to the companyld is not active or does not have WSAPI access enabled, the Client.InvalidParameter.Companyld fault is returned.

This call is only required for managers which manage multiple companies. For managers who only manage one company, the companyld for their session is set automatically upon login.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 9 setCompanyld Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
companyld	An Id for the company to be used in subsequent requests. Required

### Response

No values are returned if this call is successful.

### Faults

In addition to the common faults ([See Faults](#)), the following faults are possible when issuing a **setCompanyld** request:

**Table 10 setCompanyld Specific Faults**

Fault Code	Description
Client.InvalidParameter.Companyld	Invalid companyld parameter.

---

## getCompanies

### Description

The **getCompanies** call returns an array of **Group** data objects (See [DataTypes](#)) containing all accessible data for the company. For most managers the returned array is of size 1, since most managers only manage one company.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 11 getCompanies Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.

### Response

If this call is successful it returns an array of **Group** data objects (See [DataTypes](#)) corresponding to the companies the current manager can access.

### Faults

Only the common faults and connection faults (See [Faults](#)) are applicable to the **getCompanies** request.

## getGroup

### Description

The **getGroup** call returns an array of **Group** data objects (See [DataTypes](#)) containing all accessible group data.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 12 getGroup Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Required
subGroups	A Boolean value. True if group data for all subgroups of specified groupId is desired, False otherwise. Required

### Response

If this call is successful it returns an array of **Group** data objects (See [DataTypes](#)) corresponding to the groupId requested.

### Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getGroup** request:

**Table 13 getGroup Specific Faults**

Fault Code	Description
Client.InvalidParameter.GroupId	Invalid groupId parameter.
Client.InvalidParameter.SubGroups	Invalid subgroups parameter.



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## getGroups

### Description

The **getGroups** call returns an array of **Group** data objects (See [DataTypes](#)) containing all accessible group data.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 14 getGroups Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
managerEmail	A valid managerEmail. Optional. If supplied, the groups returned will be the groups directly managed by the manager specified.

### Response

If this call is successful it returns an array of **Group** data objects (See [DataTypes](#)).

### Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getGroups** request:

**Table 15 getGroups Specific Faults**

Fault Code	Description
Client.InvalidParameter.ManagerEmail	Invalid managerEmail parameter.

---

## getManagers

### Description

The **getManagers** call returns an array of **Member** data objects (See [DataTypes](#)) containing all accessible manager information for all group managers in the company.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 16 getManagers Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.

### Response

If this call is successful it returns an array of **Member** data objects (See [DataTypes](#)) corresponding to the group managers in the current company.

### Faults

Only the common faults and connection faults (See [Faults](#)) are applicable to the **getManagers** request.

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## getUser

### Description

The **getUser** call returns a single **Member** data object (See [DataTypes](#)) containing all accessible member data.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 17 getUser Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
userId	A valid userId. Required.

### Response

If this call is successful it returns a single **Member** data object (See [DataTypes](#)) corresponding to the userId provided.

### Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getUser** request:

**Table 18 getUser Specific Faults**

Fault Code	Description
Client.InvalidParameter.UserId	Invalid userId parameter.

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## getUserByEmail

### Description

The **getUserByEmail** call returns a single **Member** data object (See [DataTypes](#)) containing all accessible member data.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 19** getUserByEmail Request Parameters

Name	Description
connectionId	A valid ConnectionID. Required.
userEmail	A valid user email. Required

### Response

If this call is successful it returns a single **Member** data object (See [DataTypes](#)) corresponding to the userEmail provided.

### Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getUserByEmail** request:

**Table 20** getUserByEmail Specific Faults

Fault Code	Description
Client.InvalidParameter.UserEmail	Invalid userEmail parameter.

---

## getUsers

### Description

The **getUsers** call returns an array of **Member** data objects (See [DataTypes](#)) containing all accessible member data.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 21 getUsers Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Optional. If supplied information for all users within this group are returned. Otherwise all users in all accessible groups are returned.

### Response

If this call is successful it returns an array of **Member** data objects (See [DataTypes](#)) corresponding to the groupId provided. If no groupId is provided, all users, in all accessible groups are returned.

### Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **getUsers** request:

**Table 22 getUsers Specific Faults**

Fault Code	Description
Client.InvalidParameter.GroupId	Invalid groupId parameter.

# ADMINISTRATOR API CALLS

## createGroup

### Description

The **createGroup** call creates a new group.

If no parentGroupId is provided, the group will be created under the default company group, otherwise the group will be created under the specified group. The hierarchy of groups can be no deeper than 3 levels.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 23 createGroup Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
groupName	A valid group name. Required.
parentGroupId	A valid groupId of the desired parent group. Optional

### Response

If this call is successful the groupId of the newly created group is returned.

### Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **createGroup** request:

**Table 24 createGroup Specific Faults**

Fault Code	Description
Client.MissingParameter.GroupName	Missing groupName parameter.
Client.InvalidParameter.GroupName	Invalid groupName parameter.
Client.GroupNameAlreadyExists	Another group with groupName already exists at the same level.
Client.InvalidParameter.ParentGroupId	Invalid parentGroupId parameter.
Client.GroupHierarchyLimit	parentGroupId is valid, but belongs to a level 3 group. No level 4 groups are allowed.

## updateGroup

### Description

The **updateGroup** call allows the group name to be changed, and/or the status of all group members to be changed. An email will be sent to the user indicating that they have been “suspended” or “unsuspended”. Specify only the parameters you wish to change; the rest may be left blank, or null.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 25 updateGroup Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Required.
groupName	A new valid group name. Optional
status	A valid status value (“suspend” or “unsuspend”). Optional

### Response

No values are returned if this call is successful.

### Faults

In addition to the common faults ([See Faults](#)), the following faults are possible when issuing a **updateGroup** request:

**Table 26 updateGroup Specific Faults**

Fault Code	Description
Client.MissingParameter.GroupId	Missing groupId parameter.
Client.InvalidParameter.GroupId	Invalid groupId parameter.
Client.InvalidParameter.GroupName	Invalid groupName parameter.
Client.GroupNameAlreadyExists	Another group with groupName already exists at the same level.
Client.InvalidParameter.Status	Invalid status parameter.

## deleteGroup

### Description

The **deleteGroup** call deletes a group, and all of the users who are members of that group.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 27 deleteGroup Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Required.
sendNotification	A Boolean (True, False) indicating whether or not to send an email to the deleted users. Required

### Response

No values are returned if this call is successful.

### Faults

In addition to the common faults ([See Faults](#)), the following faults are possible when issuing a **deleteGroup** request:

**Table 28 deleteGroup Specific Faults**

Fault Code	Description
Client.MissingParameter.GroupId	Missing groupId parameter.
Client.InvalidParameter.GroupId	Invalid groupId parameter.
Client.MissingParameter.SendNotification	Missing sendNotification parameter.
Client.InvalidParameter.SendNotification	Invalid sendNotification parameter.



## inviteGroupManager

### Description

The **inviteGroupManager** call invites a new group manager and optionally sends the invitation email to the provided address

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 29 InviteGroupManager Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
groupIds	An array of valid groupIds. Required.
email	A valid email address. Required
firstName	The new Group Manager's first name. Required
lastName	The new Group Manager's last name. Required
sendNotification	A Boolean (True, False) indicating whether or not the GoToMyPC system should send the invitation email. Required
subject	The subject of the invitation email if sent from the GoToMyPC system. Optional
personalizedMessage	The personalized message to send in addition to the standard invitation email. (max 10240 characters) Optional.

### Response

If this call is successful an array of Field is returned containing the following.

**Table 30 InviteGroupManager Field Response Parameters**

Name	Value
groupManagerId	The id for the newly invited manager
accessURL	A string containing the url the group manager must visit to active their invitation. Meant to be used when formatting and sending an email from your integration client.

**Faults**

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **inviteGroupManager** request:

**Table 31 inviteGroupManager Specific Faults**

<b>Fault Code</b>	<b>Description</b>
Client.MissingParameter.Email	Missing email parameter.
Client.InvalidParameter.Email	Invalid email parameter.
Client.GroupManagerAlreadyExists	An active or suspended group manager with the same email address exists
Client.MissingParameter.GroupIds	Missing groupIds parameter.
Client.InvalidParameter.GroupIds	Invalid groupIds parameter.
Client.MissingParameter.SendNotification	Missing sendNotification parameter.
Client.InvalidParameter.SendNotification	Invalid sendNotification parameter.
Client.InvalidParameter.Subject	Subject exceeds 64 characters
Client.InvalidParameter.PersonalizedMessage	Personalized Message exceeds 10240 characters

## createGroupManager

### Description

The **createGroupManager** call creates a new group manager.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 32 createGroupManager Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
groupIds	An array of valid groupIds. Required.
email	A valid email address. Required
firstName	The new Group Manager's first name. Required
lastName	The new Group Manager's last name. Required
password	The new Group Manager's password. Required
forcePasswordReset	A Boolean (True, False) indicating whether or not the group manager must change his/her password upon first login. Required
timeZoneKey	A valid time zone key. Optional. If none is provided, the default for the corporate account is used.
automaticDST	A Boolean (True, False) indicating whether to automatically observe Daylight Savings Time. Optional. If none is provided, the default for the corporate account is used.

### Response

If this call is successful the groupManagerId of the newly created group manager is returned.

### Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **createGroupManager** request:

**Table 33 createGroupManager Specific Faults**

Fault Code	Description
Client.MissingParameter.GroupIds	Missing groupIds parameter.
Client.InvalidParameter.GroupIds	Invalid groupIds parameter.
Client.MissingParameter.FirstName	Missing firstName parameter.
Client.MissingParameter.LastName	Missing lastName parameter.
Client.MissingParameter.Password	Missing password parameter.
Client.MissingParameter.ForcePasswordReset	Missing force password reset parameter.
Client.InvalidParameter.ForcePasswordReset	Invalid force password reset parameter.
Client.InvalidParameter.AutomaticDST	Invalid automaticDST parameter.

## updateGroupManager

### Description

The **updateGroupManager** call allows the details of an existing group manager to be changed. Specify only the parameters you wish to change; the rest may be left blank, or null. If the group manager's email address is changed, a notification is sent to the specified new email address, and the new email address needs to be used next time the group manager logs into the GoToMyPC web site. If the status is changed to "unsuspend" an email is always sent to the group manager's email address.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 34 updateGroupManager Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
groupManagerId	A valid groupManagerId. Required
status	A valid status value ("suspend" or "unsuspend"). Optional.
sendSuspendNotification	A Boolean (True, False) indicating whether or not to send a notification email if the status is set to "suspend". A notification is always sent when the status is set to "unsuspend". Optional
groupIds	An array of valid groupIds. Optional
email	A valid email address. Optional
firstName	The Group Manager's new first name. Optional
lastName	The Group Manager's new last name. Optional
password	The Group Manager's new password. Optional
forcePasswordReset	A Boolean (True, False) indicating whether or not the group manager must change his/her password upon first login. Optional
timeZoneKey	A valid time zone key. Optional
automaticDST	A Boolean (True, False) indicating whether to automatically observe Daylight Savings Time. Optional

### Response

No values are returned if this call is successful.

## Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **updateGroupManager** request:

**Table 35 updateGroupManager Specific Faults**

<b>Fault Code</b>	<b>Description</b>
Client.MissingParameter.GroupManagerId	Missing groupManagerId parameter.
Client.InvalidParameter.GroupManagerId	Invalid groupManagerId parameter.
Client.InvalidParameter.GroupIds	Invalid groupIds parameter.
Client.InvalidParameter.Status	Invalid status parameter.
Client.InvalidParameter.sendSuspendNotification	Invalid sendSuspendNotification parameter.
Client.InvalidParameter.Password	Invalid password parameter.
Client.InvalidParameter.ForcePasswordReset	Invalid force password reset parameter.
Client.InvalidParameter.Email	Invalid email parameter.
Client.GroupManagerAlreadyExists	An active or suspended group manager with the same email address exists.
Client.InvalidParameter.TimeZoneKey	Invalid time zone key parameter.
Client.InvalidParameter.AutomaticDST	Invalid automaticDST parameter.

## updateGroupManagerWithLocale

### Description

The updateGroupManagerWithLocale call allows the details of an existing group manager to be changed.

Specify only the parameters you wish to change; the rest may be left blank, or null. If the group manager's email address is changed, a notification is sent to the specified new email address, and the new email address needs to be used next time the group manager logs into the GoToMyPC web site. If the status is changed to "unsuspend" an email is always sent to the group manager's email address

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 36 updateGroupManagerWithLocale Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
groupManagerId	A valid groupManagerId. Required
status	A valid status value ("suspend" or "unsuspend"). Optional.
sendSuspendNotification	A Boolean (True, False) indicating whether or not to send a notification email if the status is set to "suspend". A notification is always sent when the status is set to "unsuspend". Optional
groupIds	An array of valid groupIds. Optional
email	A valid email address. Optional
firstName	The Group Manager's new first name. Optional
lastName	The Group Manager's new last name. Optional
password	The Group Manager's new password. Optional
forcePasswordReset	A Boolean (True, False) indicating whether or not the group manager must change his/her password upon first login. Optional
timeZoneKey	A valid time zone key. Optional
automaticDST	A Boolean (True, False) indicating whether to automatically observe Daylight Savings Time. Optional
locale	A String parameter for the locale like (ja_JP, en_US)

### Response

No values are returned if this call is successful.

## Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **updateGroupManagerWithLocale** request:

**Table 37 updateGroupManagerWithLocale Specific Faults**

<b>Fault Code</b>	<b>Description</b>
Client.MissingParameter.GroupManagerId	Missing groupManagerId parameter.
Client.InvalidParameter.GroupManagerId	Invalid groupManagerId parameter.
Client.InvalidParameter.GroupIds	Invalid groupIds parameter.
Client.InvalidParameter.Status	Invalid status parameter.
Client.InvalidParameter.sendSuspendNotification	Invalid sendSuspendNotification parameter.
Client.InvalidParameter.Password	Invalid password parameter.
Client.InvalidParameter.ForcePasswordReset	Invalid force password reset parameter.
Client.InvalidParameter.Email	Invalid email parameter.
Client.GroupManagerAlreadyExists	An active or suspended group manager with the same email address exists.
Client.InvalidParameter.TimeZoneKey	Invalid time zone key parameter.
Client.InvalidParameter.AutomaticDST	Invalid automaticDST parameter.
Client.InvalidParameter.locale	Invalid locale parameter

## deleteGroupManager

### Description

The **deleteGroupManager** call permanently disables the group manager. To temporarily disable a group manager with the option to enable it again, use the [updateGroupManager](#) method and set the status to “suspend”

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 38 deleteGroupManager Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required
groupManagerId	A valid groupManagerId. Required
sendNotification	A Boolean (True, False) indicating whether or not to send a notification email to the deleted group manager. Required

### Response

No values are returned if this call is successful.

### Faults

In addition to the common faults ([See Faults](#)), the following faults are possible when issuing a **deleteGroupManager** request:

**Table 39 deleteGroupManager Specific Faults**

Fault Code	Description
Client.MissingParameter.GroupManagerId	Missing groupManagerId parameter.
Client.InvalidParameter.GroupManagerId	Invalid groupManagerId parameter.
Client.MissingParameter.SendNotification	Missing sendNotification parameter
Client.InvalidParameter.SendNotification	Invalid sendNotification parameter



## inviteUser

### Description

The **inviteUser** call invites a new user and optionally sends the invitation email to the provided address as well as the “confirmationEmailAddress” if the Invite CC functionality is enabled for the company.

Specifying a confirmationEmailAddress will send an email confirming that the user was invited to the specified email address. This can be specified as any address, though the best practice is to send it to the group manager. This only works for new users. Inviting a user who existed previously, and was deleted, does not result in a confirmation email.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 40 InviteUser Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required.
groupId	A valid groupId. Required.
email	A valid email address. Required
firstName	The new User's first name. Required
lastName	The new User's last name. Required
sendNotification	A Boolean (True, False) indicating whether or not the GoToMyPC system should send the invitation email. Required
subject	The subject of the invitation email if sent from the GoToMyPC system. Optional
personalizedMessage	The personalized message to send in addition to the standard invitation email. (max 10240 characters) Optional.
confirmationEmailAddress	Specifies an email address for the confirmation email to be sent to. Optional

### Response

If this call is successful an array of Field is returned containing the following.

**Table 41 InviteUser Field Response Parameters**

Name	Value
userId	The id for the newly invited user
accessURL	A string containing the url the user must visit to active their invitation. Meant to be used when formatting and sending an email from your integration client.

## Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **inviteUser** request:

**Table 42 inviteUser Specific Faults**

Fault Code	Description
Client.MissingParameter.Email	Missing email parameter.
Client.InvalidParameter.Email	Invalid email parameter.
Client.UserAlreadyExists	An active or suspended user with the same email address exists
Client.InvalidParameter.GroupId	Invalid groupId parameter.
Client.MissingParameter.SendNotification	Missing sendNotification parameter.
Client.InvalidParameter.SendNotification	Invalid sendNotification parameter.
Client.InvalidParameter.Subject	Subject exceeds 64 characters
Client.InvalidParameter.PersonalizedMessage	Personalized Message exceeds 10240 characters
Client.InvalidParameter.ConfirmationEmailAddress	Invalid confirmationEmailAddress parameter.
Client.InviteCCNotEnabled	The inviteCC feature is not enabled but a confirmationEmailAddress parameter is specified.

## createUser

### Description

The **createUser** call creates a new user.

If no groupId is provided, the new user is created as a member of the top-level company group.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 43 createUser Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required
groupId	A valid groupId. Optional
email	A valid email address. Required
firstName	The new User's first name. Required
lastName	The new User's last name. Required
password	The new User's password. Required
forcePasswordReset	A Boolean (True, False) indicating whether or not the user must
timeZoneKey	A valid time zone key. Optional. If none is provided, the default
automaticDST	A Boolean (True, False) indicating whether to automatically

### Response

If successful this call returns the userId of the newly created user.

### Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **createUser** request:

**Table 44 createUser Specific Faults**

<b>Fault Code</b>	<b>Description</b>
Client.MissingParameter.Email	Missing email parameter.
Client.InvalidParameter.Email	Invalid email parameter.
Client.UserAlreadyExists	A user with the supplied email address already exists.
Client.InvalidParameter.GroupId	Invalid groupId parameter.
Client.GroupSizeLimitExceeded	The specified groupId is already at it's max number of users.
Client.MissingParameter.FirstName	Missing firstName parameter.
Client.MissingParameter.LastName	Missing lastName parameter.
Client.MissingParameter.Password	Missing password parameter.
Client.InvalidParameter.Password	Invalid password parameter.
Client.MissingParameter. ForcePasswordReset	Missing force password reset parameter.
Client.InvalidParameter. ForcePasswordReset	Invalid force password reset parameter.
Client.InvalidParameter.AutomaticDST	Invalid automaticDST parameter.

## updateUser

### Description

The **updateUser** call allows the details of an exist user to be changed. Specify only the parameters you wish to change; the rest may be left blank, or null. If the user's email address is changed, a notification is sent to the specified new email address, and the new email address needs to be used next time the user logs into the GoToMyPC web site. If the status is changed to "unsuspend" an email is always sent to the group manager's email address.

If no groupId is provided, the new user is created as a member of the top-level company group.

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 45 updateUser Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required
userId	A valid userId. Required
status	A valid status value ("suspend", "unsuspend", or "unlock"). Optional
sendSuspendNotification	A Boolean (True, False) indicating whether or not to send a notification email if the status is set to "suspend". A notification is always sent when the status is set to "unsuspend". Optional
groupId	A valid groupId. Optional
email	A valid email address. Optional
firstName	The User's new first name. Optional
lastName	The User's new last name. Optional
password	The User's new password. Optional
forcePasswordReset	A Boolean (True, False) indicating whether or not the user must change his/her password upon first login. Optional
timeZoneKey	A valid time zone key. Optional. If none is provided, the default for the corporate account is used.
automaticDST	A Boolean (True, False) indicating whether to automatically observe Daylight Savings Time. Optional. If none is provided, the default for the corporate account is used.

### Response

No values are returned if this call is successful.

**Faults**

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **updateUser** request:

**Table 46 updateUser Specific Faults**

<b>Fault Code</b>	<b>Description</b>
Client.MissingParameter.UserId	Missing userId parameter.
Client.InvalidParameter.UserId	Invalid userId parameter.
Client.InvalidParameter.GroupId	Invalid groupId parameter.
Client.GroupSizeLimitExceeded	The specified groupId is already at the max number of users.
Client.GroupPCLimitExceeded	The specified groupId is already at the PC limit.
Client.InvalidParameter.Status	Invalid status parameter.
Client.InvalidParameter.sendSuspendNotification	Invalid sendSuspendNotification parameter.
Client.InvalidParameter.Password	Invalid password parameter.
Client.InvalidParameter.ForcePasswordReset	Invalid force password reset parameter.
Client.InvalidParameter.Email	Invalid email parameter.
Client.UserAlreadyExists	A user with the supplied email address already exists.
Client.InvalidParameter.TimeZoneKey	Invalid time zone key parameter.
Client.InvalidParameter.AutomaticDST	Invalid automaticDST parameter.

## updateUserWithLocale

### Description

The updateUserWithLocale call allows the details of an existing user to be changed. Specify only the parameters you wish to change; the rest may be left blank, or null. If the user's email address has changed, a notification is sent to the specified new email address, and the new email address will need to be used next time the user logs into the GoToMyPC web site. If the status is changed to "unsuspend" an email is always sent to the group manager's email address.

If no groupId is provided, the new user is created as a member of the top-level company group.

### Request

In addition to the headers required for all requests, the following parameters are required:

**Table 47 updateUserWithLocale Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required
userId	A valid userId. Required
status	A valid status value ("suspend", "unsuspend", or "unlock"). Optional
sendSuspendNotification	A Boolean (True, False) indicating whether or not to send a notification email if the status is set to "suspend". A notification is always sent when the status is set to "unsuspend". Optional
groupId	A valid groupId. Optional
email	A valid email address. Optional
firstName	The User's new first name. Optional
lastName	The User's new last name. Optional
password	The User's new password. Optional
forcePasswordReset	A Boolean (True, False) indicating whether or not the user must change his/her password upon first login. Optional
timeZoneKey	A valid time zone key. Optional. If none is provided, the default for the corporate account is used.
automaticDST	A Boolean (True, False) indicating whether to automatically observe Daylight Savings Time. Optional. If none is provided, the default for the corporate account is used.
locale	A String parameter for the locale like (ja_JP, en_US)

### Response

No values are returned if this call is successful.

**Faults**

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **updateUser** request:

**Table 48 updateUserWithLocale Specific Faults**

<b>Fault Code</b>	<b>Description</b>
Client.MissingParameter.UserId	Missing userId parameter.
Client.InvalidParameter.UserId	Invalid userId parameter.
Client.InvalidParameter.GroupId	Invalid groupId parameter.
Client.GroupSizeLimitExceeded	The specified groupId is already at the max number of users.
Client.GroupPCLimitExceeded	The specified groupId is already at the PC limit.
Client.InvalidParameter.Status	Invalid status parameter.
Client.InvalidParameter.sendSuspendNotification	Invalid sendSuspendNotification parameter.
Client.InvalidParameter.Password	Invalid password parameter.
Client.InvalidParameter.ForcePasswordReset	Invalid force password reset parameter.
Client.InvalidParameter.Email	Invalid email parameter.
Client.UserAlreadyExists	A user with the supplied email address already exists.
Client.InvalidParameter.TimeZoneKey	Invalid time zone key parameter.
Client.InvalidParameter.AutomaticDST	Invalid automaticDST parameter.
Client.InvalidParameter.locale	Invalid locale parameter.

## deleteUser

### Description

The **deleteUser** call permanently disables the user. To temporarily disable a user with the option to enable it again, use the [updateUser](#) method and set the status to “suspend”

### Request

In addition to the headers required for all requests ([See Calls](#)), the following parameters are required:

**Table 49 deleteUser Request Parameters**

Name	Description
connectionId	A valid ConnectionID. Required
userId	A valid userId. Required
sendNotification	A Boolean (True, False) indicating whether or not to send a notification email to the deleted user. Required

### Response

No values are returned if this call is successful.

### Faults

In addition to the common faults (See [Faults](#)), the following faults are possible when issuing a **deleteUser** request:

**Table 50 deleteUser Specific Faults**

Fault Code	Description
Client.MissingParameter.UserId	Missing UserId parameter.
Client.InvalidParameter.UserId	Invalid UserId parameter.
Client.MissingParameter.SendNotification	Missing sendNotification parameter
Client.InvalidParameter.SendNotification	Invalid sendNotification parameter



## EXAMPLES

This section provides examples of calls issued to G2P\_API. The listings are complete in that they contain the entire request, including the HTTP headers. If the client uses a library to generate requests to the service, these headers may be automatically generated.

### logon

This is always the first request issued, since it is used to create a connection on the server and retrieve a valid ConnectionID that is used in all further requests.

Here, a request is made with the following parameters:

- id = "testuser@email.com"
- password = "somepassword"
- version = "2"

Since G2P\_API recognizes the id and password, a new connection is created and the ConnectionID "168545:FB7FD2C007B8294" is returned.

If the account could not be authenticated (for example if the password was incorrect), then the fault response would be returned with the Fault Code "Client.Authentication". The Fault String provides a brief description of what went wrong: "Invalid email or password".

#### Listing 1 logon Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 604

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
  xmlns:impl="G2P_API">
  <soap:Body
    soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
    <impl:logon>
      <email xsi:type="xsd:string">testuser@email.com</email>
      <password xsi:type="xsd:string">somepassword</password>
      <version xsi:type="xsd:long">2</version>
    </impl:logon>
  </soap:Body>
</soap:Envelope>
```

**Listing 2 logon Response**

```
HTTP 200
Date: Fri, 10 Feb 2006 19:33:16 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=rAmZcESR_z40x-
Cv; path=/ Keep-Alive: timeout=15,
max=80
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/
envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <soapenv:Body>
    <ns1:logonResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/
encoding/" xmlns:ns1="G2P_API">
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</con
nectionId>
    </ns1:logonResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

**Listing 3 logon Fault Response**

```
HTTP/1.1 500 Internal Server Error
Date: Fri, 10 Feb 2006 19:31:52 GMT
Server: Apache/2.2.3
Set-Cookie: JSESSIONID=ct05xq6ZVve-5QCv; path=/
nnCoection: close
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <soapenv:Fault>
      <faultcode>
        <faultcode xmlns:ns1="G2P_API">ns1:Client.Authentication</faultcode>
      <faultstring>Invalid email or password</faultstring>
      <detail>
        <ns2:hostname
xmlns:ns2="http://xml.apache.org/axis/">g2pqa1br1.sba.expertcity.com</ns2:hostname>
        </detail>
      </soapenv:Fault>
    </soapenv:Body>
  </soapenv:Envelope>
```

## getCompanies

After logging on, we want to determine how many companies we are a manager for. We send the request containing only the Connection ID "168545:FB7FD2C007B8294".

The API returns an array with only one company "Some Big Corp" with the following fields.

- Id = 2898
- ParentID = 0
- Name = "Some Big Corp"
- pcCount = 0
- totalPcCount = 1

### Listing 4 getCompanies Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 525

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getCompanies>
    <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    </impl:getCompanies>
  </soap:Body>
</soap:Envelope>
```

**Listing 5 getCompanies Response**

```

HTTP 200
Date: Fri, 10 Feb 2006 19:34:17 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=j0syRxxL_G7_eoDv; path=/
Keep-Alive: timeout=15, max=66
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getCompaniesResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <companies soapenc:arrayType="ns1:Group[1]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <companies href="#id0" />
      </companies>
    </ns1:getCompaniesResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Group"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">2898</id>
      <parentId xsi:type="xsd:string">0</parentId>
      <name xsi:type="xsd:string">Ryan Big Corp</name>
      <pcCount href="#id1" />
      <totalPcCount href="#id2" />
    </multiRef>
    <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">1</multiRef>
      <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
    </soapenv:Body>
  </soapenv:Envelope>

```

## setCompanyId

Now that we have the companyId's that we're a member of, we'll want to specify which companyId we want to use for future calls. Technically, in this case, since there is only one companyId, this call is not necessary, but it's shown here in order to show how this call would be used.

We send the following parameters:

- ConnectionID = 168545:FB7FD2C007B8294
- CompanyId = 2898

### Listing 6 setCompanyId Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 581

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:setCompanyId>
    <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    <companyId xsi:type="xsd:string">2898</companyId>
  </impl:setCompanyId>
</soap:Body>
</soap:Envelope>
```

**Listing 7 setCompanyId Response**

```
HTTP 200
Date: Fri, 10 Feb 2006 19:44:07 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=L_heeGwENL9fCEFv; path=/
Keep-Alive: timeout=15, max=61
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:setCompanyIdResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API" />
  </soapenv:Body>
</soapenv:Envelope>
```

## getManagers

Now we want to see who our group managers are. We make a request with just the connection ID "168545:FB7FD2C007B8294"

The return is an array with a single Member Object with the following values

- Id = 1712793594
- Email = "groupmanager@email.com"
- FirstName = "Group"
- MiddleName = NULL
- LastName = "Manager"
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
  
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = NULL
- Status = "Active"
- UserSince = "2006-02-10 12:05:50(GMT-8:00)"
- ActiveSince = "2006-02-10 12:08:19(GMT-8:00)"
- PasswordChangeDate = NULL
- LastLoginId = 39590
- LoginCount = 1
- FailedLoginCount = 0
- ConnectionCount = NULL
- LockoutUntil = NULL

### Listing 8 getManagers Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 523

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getManagers>
    <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
    </impl:getManagers>
  </soap:Body>
</soap:Envelope>
```

### Listing 9 getManagers Response



```
HTTP 200
Date: Fri, 10 Feb 2006 20:28:38 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=b-OJUWNA9yhErQPv; path=/
Keep-Alive: timeout=15, max=97
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getManagersResponse>
      soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      " xmlns:ns1="G2P_API">
        <managers soapenc:arrayType="ns1:Member[1]"
          xsi:type="soapenc:Array"
          xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
          <managers href="#id0"
            />
        </managers>
      </ns1:getManagersResponse>
      <multiRef id="id0"
        soapenc:root="0"
        soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
        " xsi:type="ns2:Member"
        xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
        xmlns:ns2="G2P_API">
        <id xsi:type="xsd:string">1712793594</id>
        <email xsi:type="xsd:string">ryan.geyer@email.com </email>
        <firstName xsi:type="xsd:string">Ryan</firstName>
        <middleName xsi:type="xsd:string">
        </middleName>
        <lastName xsi:type="xsd:string">Geyer</lastName>
        <company xsi:type="xsd:string">
        </company>
        <jobTitle xsi:type="xsd:string">
        </jobTitle>
        <address1 xsi:type="xsd:string">
        </address1>
        <address2 xsi:type="xsd:string">
        </address2>
        <city xsi:type="xsd:string">
        </city>
        <state xsi:type="xsd:string">
        </state>
        <zipCode xsi:type="xsd:string">
        </zipCode>
        <country xsi:type="xsd:string">
        </country>
        <phoneNumber xsi:type="xsd:string">
        </phoneNumber>
      </multiRef>
    </soapenv:Body>
  </soapenv:Envelope>
```

```
<timeZone xsi:type="xsd:string" xsi:nil="true" />
<status xsi:type="xsd:string">Active</status>
<userSince xsi:type="xsd:string">2006-02-10 12:05:50 (GMT-
8:00)</userSince>
<activeSince xsi:type="xsd:string">2006-02-10 12:08:19 (GMT-
8:00)</activeSince>
<passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
<lastLoginId href="#id1" />
<loginCount href="#id2" />
<failedLoginCount href="#id3" />
<connectionCount xsi:type="xsd:long" xsi:nil="true" />
<lockoutUntil xsi:type="xsd:string">
</lockoutUntil>
</multiRef
>
<multiRef id="id3" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
  <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">39590</multiRef
>
  <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">1</multiRe>
  </soapenv:Body
  >
</soapenv:Envelope
>
```

## getGroups

Now we'd like to see what groups one of our group managers "groupmanager@email.com" manages. We call **getGroups** with the connection ID "168545:FB7FD2C007B8294" and the group managers email.

The response comes back with one group object showing the managers group memberships:

- Id = 2899
- ParentId = 2898
- Name = "High Security Group"
- pcCount = 0
- totalPCCount = 1

### Listing 10 getGroups Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length:
597

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
" xmlns:impl="G2P_API">
  <soap:Body>
    soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      <impl:getGroups
        >
          <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId
>
          <managerEmail
            1
xsi:type="xsd:string">groupmanager@email.com</managerEmail>
          </impl:getGroups
        >
      </soap:Body
    >
  </soap:Envelope>
```

**Listing 11 getGroups Response**

```

HTTP 200
Date: Fri, 10 Feb 2006 20:08:48 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=FckG7BcXn96w1hLv; path=/
Keep-Alive: timeout=15, max=87
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getGroupsResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <groups soapenc:arrayType="ns1:Group[1]" xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <groups href="#id0" />
      </groups>
    </ns1:getGroupsResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Group"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">2899</id>
      <parentId xsi:type="xsd:string">2898</parentId>
      <name xsi:type="xsd:string">High Security Group</name>
      <pcCount href="#id1" />
      <totalPcCount href="#id2" />
    </multiRe>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
    <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">1</multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

---

## getGroup

If we want group information and we know the group Id we use **getGroup**. Here we specify “subGroups” as “true” so we see all subgroups for this group. We specify group “2898” to get the top level group.

The response is an array of two Group data objects:

Group Object 1:

- Id = 2898
- ParentID = 0
- Name = “Some Big Corp”
- pcCount = 0
- totalPcCount = 1

Group Object 2:

- Id = 2899
- ParentId = 2898
- Name = “High Security Group”
- pcCount = 0
- totalPcCount = 1

**Listing 12 getGroup Request**

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 623

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getGroup>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <groupId xsi:type="xsd:string">2898</groupId>
      <subGroups xsi:type="xsd:boolean">1</subGroups>
    </impl:getGroup>
  </soap:Body>
</soap:Envelope>
```

**Listing 13 getGroup Response**

```

HTTP 200
Date: Fri, 10 Feb 2006 20:42:55 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=eaVHAqz9bnbAL7Sv; path=/
Keep-Alive: timeout=15, max=46
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getGroupResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <groups soapenc:arrayType="ns1:Group[2]" xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <groups href="#id0" />
        <groups href="#id1" />
      </groups>
    </ns1:getGroupResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Group"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">2898</id>
      <parentId xsi:type="xsd:string">0</parentId>
      <name xsi:type="xsd:string">Ryan Big Corp</name>
      <pcCount href="#id2" />
      <totalPcCount href="#id3" />
    </multiRef>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns3:Group" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
      <id xsi:type="xsd:string">2899</id>
      <parentId xsi:type="xsd:string">2898</parentId>
      <name xsi:type="xsd:string">High Security Group</name>
      <pcCount href="#id4" />
      <totalPcCount href="#id5" />
    </multiRef>
    <multiRef id="id5" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">1</multiRef>
    <multiRef id="id4" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
    <multiRef id="id2" soapenc:root="0"

```

```
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
  <multiRef id="id3" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">1</multiRef>
  </soapenv:Body>
</soapenv:Envelope>
```

---

## getUsers

Now we want to see all users that are a member of main group 2898. We send a request with the current connection ID "168545:FB7FD2C007B8294" and the group ID 2898.

The response is an array of three Member data objects:

Member Object 1:

- Id = 1544170229
- Email = "user1@email.com"
- FirstName = NULL
- MiddleName = NULL
- LastName = NULL
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Inactive"
- UserSince = "2003-07-18 15:49:45(GMT-7:00)"
- ActiveSince = NULL
- PasswordChangeDate = NULL
- LastLoginId = NULL
- LoginCount = 0
- FailedLoginCount = 0
- ConnectionCount = 0
- LockoutUntil = NULL

Member Object 2:

- Id = 1625345894
- Email = "user2@email.com"
- FirstName = NULL
- MiddleName = NULL
- LastName = NULL
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL



- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Inactive"
- UserSince = "2003-07-18 15:51:20(GMT-7:00)"
- ActiveSince = NULL
- PasswordChangeDate = NULL
- LastLoginId = NULL
- LoginCount = 0
- FailedLoginCount = 0
- ConnectionCount = 0
- LockoutUntil = NULL

Member Object 3:

- Id = 367567165
  - Email = "user3@email.com"
- 

- FirstName = "User"
- MiddleName = NULL
- LastName = "Three"
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Active"
- UserSince = "2003-07-18 15:47:39(GMT-7:00)"
- ActiveSince = "2003-07-18 15:47:58(GMT-7:00)"
- PasswordChangeDate = NULL
- LastLoginId = 30532
- LoginCount = 15
- FailedLoginCount = 0
- ConnectionCount = 11
- LockoutUntil = NULL

**Listing 14 getUsers Request**

```

POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 569

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:getUsers>
    <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
    <groupId xsi:type="xsd:string">2898</groupId>
  </impl:getUsers>
</soap:Body>
</soap:Envelope>

```

**Listing 15 getUsers Response**

```

HTTP 200
Date: Fri, 10 Feb 2006 22:32:15 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=LBFR3KR1c-8zc9fw; path=/
Keep-Alive: timeout=15, max=88
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getUsersResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <users soapenc:arrayType="ns1:Member[3]" xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
        <users href="#id0" />
        <users href="#id1" />
        <users href="#id2" />
      </users>
    </ns1:getUsersResponse>
    <multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Member"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"

```

```

xmlns:ns2="G2P_API">
  <id xsi:type="xsd:string">1544170229</id>
  <email xsi:type="xsd:string">user1@email.com</email>
  <firstName xsi:type="xsd:string">
</firstName>
  <middleName xsi:type="xsd:string">
</middleName>
  <lastName xsi:type="xsd:string">
</lastName>
  <company xsi:type="xsd:string">
</company>
  <jobTitle xsi:type="xsd:string">
</jobTitle>
  <address1 xsi:type="xsd:string">
</address1>
  <address2 xsi:type="xsd:string">
</address2>
  <city xsi:type="xsd:string">
</city>
  <state xsi:type="xsd:string">
</state>
  <zipCode xsi:type="xsd:string">
</zipCode>
  <country xsi:type="xsd:string">
</country>
  <phoneNumber xsi:type="xsd:string">
</phoneNumber>
  <timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>
  <status xsi:type="xsd:string">Inactive</status>
  <userSince xsi:type="xsd:string">2003-07-18 15:49:45 (GMT-
7:00)</userSince>
  <activeSince xsi:type="xsd:string">
</activeSince>
  <passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
  <lastLoginId xsi:type="xsd:long" xsi:nil="true" />
  <loginCount href="#id3" />
  <failedLoginCount href="#id4" />
  <connectionCount href="#id4" />
  <lockoutUntil xsi:type="xsd:string">
</lockoutUntil>
</multiRef>
  <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns3:Member" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
  <id xsi:type="xsd:string">1625345894</id>
  <email xsi:type="xsd:string">user2@email.com</email>
  <firstName xsi:type="xsd:string">
</firstName>
  <middleName xsi:type="xsd:string">
</middleName>
  <lastName xsi:type="xsd:string">
</lastName>
  <company xsi:type="xsd:string">
</company>

```

```

<jobTitle xsi:type="xsd:string">
</jobTitle>
<address1 xsi:type="xsd:string">
</address1>
<address2 xsi:type="xsd:string">
</address2>
<city xsi:type="xsd:string">
</city>
<state xsi:type="xsd:string">
</state>
<zipCode xsi:type="xsd:string">
</zipCode>
<country xsi:type="xsd:string">
</country>
<phoneNumber xsi:type="xsd:string">
</phoneNumber>
<timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>
<status xsi:type="xsd:string">Inactive</status>
<userSince xsi:type="xsd:string">2003-07-18 15:51:20 (GMT-
7:00)</userSince>
<activeSince xsi:type="xsd:string">
</activeSince>
<passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
<lastLoginId xsi:type="xsd:long" xsi:nil="true" />
<loginCount href="#id5" />
<failedLoginCount href="#id4" />
<connectionCount href="#id4" />
<lockoutUntil xsi:type="xsd:string">
</lockoutUntil>
</multiRef>
<multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns4:Member" xmlns:ns4="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
<id xsi:type="xsd:string">367567165</id>
<email xsi:type="xsd:string">user3@email.com</email>
<firstName xsi:type="xsd:string">User</firstName>
<middleName xsi:type="xsd:string">
</middleName>
<lastName xsi:type="xsd:string">Three</lastName>
<company xsi:type="xsd:string">
</company>
<jobTitle xsi:type="xsd:string">
</jobTitle>
<address1 xsi:type="xsd:string">
</address1>
<address2 xsi:type="xsd:string">
</address2>
<city xsi:type="xsd:string">
</city>
<state xsi:type="xsd:string">
</state>
<zipCode xsi:type="xsd:string">
</zipCode>
<country xsi:type="xsd:string">

```

```

    </country>
    <phoneNumber xsi:type="xsd:string">
    </phoneNumber>
    <timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>
    <status xsi:type="xsd:string">Active</status>
    <userSince xsi:type="xsd:string">2003-07-18 15:47:39 (GMT-
7:00)</userSince>
    <activeSince xsi:type="xsd:string">2003-07-18 15:47:58 (GMT-
7:00)</activeSince>
    <passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
    <lastLoginId href="#id6" />
    <loginCount href="#id7" />
    <failedLoginCount href="#id4" />
    <connectionCount href="#id8" />
    <lockoutUntil xsi:type="xsd:string">
    </lockoutUntil>
    </multiRef><multiRef id="id7" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">15</multiRe>
    <multiRef id="id5" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRe>
    <multiRef id="id4" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef
>
    <multiRef id="id8" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">11</multiRef
>
    <multiRef id="id3" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef
>
    <multiRef id="id6" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">30532</multiRef
>
  </soapenv:Body
  >
</soapenv:Envelope>

```

---

## getUserByEmail

If we knew the users email address, we can get the Member data object related to them using the `getUserByEmail` call. Here we make the call with the connection ID "168545:FB7FD2C007B8294" and user email "user2@email.com".

The response is an array of one Member data objects:

Member Object 1:

- Id = 1625345894
- Email = "user2@email.com"
- FirstName = NULL
- MiddleName = NULL
- LastName = NULL
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Inactive"
- UserSince = "2003-07-18 15:51:20(GMT-7:00)"
- ActiveSince = NULL
- PasswordChangeDate = NULL
- LastLoginId = NULL
- LoginCount = 0
- FailedLoginCount = 0
- ConnectionCount = 0
- LockoutUntil = NULL

**Listing 16 getUserByEmail Request**

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 604

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getUserByEmail>
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
      <userEmail xsi:type="xsd:string">user2@email.com</userEmail>
    </impl:getUserByEmail>
  </soap:Body>
</soap:Envelope>
```

**Listing 17 getUserByEmail Response**

```

HTTP 200
Date: Fri, 10 Feb 2006 22:53:11 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=LF8xMlIosSevXVkw; path=/
Keep-Alive: timeout=15, max=88
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getUserByEmailResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <user href="#id0" />
    </ns1:getUserByEmailResponse>
  <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Member"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
    <id xsi:type="xsd:string">1625345894</id>
    <email xsi:type="xsd:string">user2@email.com</email>
    <firstName xsi:type="xsd:string">
</firstName>
    <middleName xsi:type="xsd:string">
</middleName>
    <lastName xsi:type="xsd:string">
</lastName>
    <company xsi:type="xsd:string">
</company>
    <jobTitle xsi:type="xsd:string">
</jobTitle>
    <address1 xsi:type="xsd:string">
</address1>
    <address2 xsi:type="xsd:string">
</address2>
    <city xsi:type="xsd:string">
</city>
    <state xsi:type="xsd:string">
</state>
    <zipCode xsi:type="xsd:string">
</zipCode>
    <country xsi:type="xsd:string">
</country>
    <phoneNumber xsi:type="xsd:string">
</phoneNumber>
    <timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>
    <status xsi:type="xsd:string">Inactive</status>
  </multiRef>
</soapenv:Body>
</soapenv:Envelope>

```



```
<userSince xsi:type="xsd:string">2003-07-18 15:51:20 (GMT-
7:00)</userSince>
<activeSince xsi:type="xsd:string">
</activeSince>
<passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
<lastLoginId xsi:type="xsd:long" xsi:nil="true" />
<loginCount href="#id1" />
<failedLoginCount href="#id2" />
<connectionCount href="#id2" />
<lockoutUntil xsi:type="xsd:string">
</lockoutUntil>
</multiRef>
<multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRe>
<multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRe>
</soapenv:Body>
</soapenv:Envelope>
```

## getUser

We can also get the Member data for a user if we know their userId. Here we use connection ID "168545:FB7FD2C007B8294" and userId "1625345894"

The response is a single Member data object:

- Id = 1625345894
- Email = "user2@email.com"
- FirstName = NULL
- MiddleName = NULL
- LastName = NULL
- Company = NULL
- JobTitle = NULL
- Address1 = NULL
- Address2 = NULL
- City = NULL
- State = NULL
- ZipCode = NULL
- PhoneNumber = NULL
- TimeZone = "(GMT-08:00) Pacific Time (US and Canada); Tijuana"
- Status = "Inactive"
- UserSince = "2003-07-18 15:51:20(GMT-7:00)"
- ActiveSince = NULL
- PasswordChangeDate = NULL
- LastLoginId = NULL
- LoginCount = 0
- FailedLoginCount = 0
- ConnectionCount = 0
- LockoutUntil = NULL

**Listing 18 getUser Request**

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 571

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:getUser>
      <connectionId xsi:type="xsd:string">
168545:FB7FD2C007B8294</connectionId>
      <userId xsi:type="xsd:string">1625345894</userId>
    </impl:getUser>
  </soap:Body>
</soap:Envelope>
```

**Listing 19 getUser Response**

```

HTTP 200
Date: Fri, 10 Feb 2006 22:58:24 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=h78BDIS5mpcmx8lw; path=/
Keep-Alive: timeout=15, max=94
Connection: Keep-Alive
Transfer-Encoding: chunked
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:getUserResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <user href="#id0" />
    </ns1:getUserResponse>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Member"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <id xsi:type="xsd:string">1625345894</id>
      <email xsi:type="xsd:string">user2@email.com</email>
      <firstName xsi:type="xsd:string">
</firstName>
      <middleName xsi:type="xsd:string">
</middleName>
      <lastName xsi:type="xsd:string">
</lastName>
      <company xsi:type="xsd:string">
</company>
      <jobTitle xsi:type="xsd:string">
</jobTitle>
      <address1 xsi:type="xsd:string">
</address1>
      <address2 xsi:type="xsd:string">
</address2>
      <city xsi:type="xsd:string">
</city>
      <state xsi:type="xsd:string">
</state>
      <zipCode xsi:type="xsd:string">
</zipCode>
      <country xsi:type="xsd:string">
</country>
      <phoneNumber xsi:type="xsd:string">
</phoneNumber>
      <timeZone xsi:type="xsd:string">(GMT-08:00) Pacific Time (US and
Canada); Tijuana</timeZone>
      <status xsi:type="xsd:string">Inactive</status>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

```
<userSince xsi:type="xsd:string">2003-07-18 15:51:20 (GMT-
7:00)</userSince>
<activeSince xsi:type="xsd:string">
</activeSince>
<passwordChangeDate xsi:type="xsd:string" xsi:nil="true" />
<lastLoginId xsi:type="xsd:long" xsi:nil="true" />
<loginCount href="#id1" />
<failedLoginCount href="#id2" />
<connectionCount href="#id2" />
<lockoutUntil xsi:type="xsd:string">
</lockoutUntil>
</multiRef>
<multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
<multiRef id="id2" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="xsd:long"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">0</multiRef>
</soapenv:Body>
</soapenv:Envelope>
```

## createGroup

We might now want to create a new group to add users to. Here we use connection ID "168545:FB7FD2C007B8294", the groupName "New Group", and no parentGroupld.

The response is the groupld of the newly created group "53138"

### Listing 20 createGroup Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 632

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:createGroup>
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
      <groupName xsi:type="xsd:string">New Group</groupName>
      <parentGroupId xsi:type="xsd:string"/>
    </impl:createGroup>
  </soap:Body>
</soap:Envelope>
```

**Listing 21 createGroup Response**

```
HTTP 200
Date: Tue, 01 Aug 2006 16:21:22 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=rKR3k1DVlJaqjHIk; path=/
Content-Length: 444
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:createGroupResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <groupId xsi:type="xsd:string">53138</groupId>
    </ns1:createGroupResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

## updateGroup

Now that we've created the group, maybe we want to change its name. Here we use connection ID "168545:FB7FD2C007B8294", the newly created group's id "53138", the new groupName "Integration Services", and we leave status blank since we are not changing it.

### Listing 22 updateGroup Request

```
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 689

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:updateGroup>
    <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    <groupId xsi:type="xsd:string">53138</groupId>
    <groupName xsi:type="xsd:string">Integration Services</groupName>
    <status xsi:type="xsd:string"/>
  </impl:updateGroup>
</soap:Body>
</soap:Envelope>
```



**Listing 23 updateGroup Response**

```
HTTP 200
Date: Tue, 01 Aug 2006 16:26:08 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=XLiFIECZtt8QbNJk; path=/
Content-Length: 373
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:updateGroupResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API" />
  </soapenv:Body>
</soapenv:Envelope>
```

## deleteGroup

Now that we've created and updated the group, maybe we want to delete an old group. Here we use connection ID "168545:FB7FD2C007B8294", the groupId to delete "33546", and sendNotification "true" in order to notify the users.

### Listing 24 deleteGroup Request

```
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 650

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:deleteGroup>
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
        <groupId xsi:type="xsd:string">33546</groupId>
        <sendNotification xsi:type="xsd:boolean">true</sendNotification>
      </impl:deleteGroup>
    </soap:Body>
  </soap:Envelope>
```

**Listing 25 deleteGroup Response**

```
HTTP 200
Date: Tue, 01 Aug 2006 16:31:44 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=6eRoTleWfebJk5Kk; path=/
Content-Length: 373
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:deleteGroupResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API" />
  </soapenv:Body>
</soapenv:Envelope>
```

## inviteGroupManager

Now let's invite a new manager for our newly created group. Here we use connection ID "168545:FB7FD2C007B8294", the groupId "53138", email "groupManager1@email.com", firstName "Group", lastName "Manager", sendNotification "false", subject "GoToMyPC Invitation Email", and we leave personalizedMessage blank to inherit the company defaults.

The response is an array of field containing the groupId of the newly created group manager "1580934262" and the accessUrl

<https://www.gotomypc.com/managership/43673632/622C9>

### Listing 26 inviteGroupManager Request

```
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 1047

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:inviteGroupManager>
    <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    <groupIds xsi:type="impl:ArrayOfString"
soapenc:arrayType="soapenc:string[1]">
      <Item>53138</Item>
    </groupIds>
    <email xsi:type="xsd:string">groupManager1@email.com</email>
    <firstName xsi:type="xsd:string">Group</firstName>
    <lastName xsi:type="xsd:string">Manager</lastName>
    <sendNotification xsi:type="xsd:boolean">>false</sendNotification>
    <subject xsi:type="xsd:string">GoToMyPC Invitation
Email</subject>
    <personalizedMessage xsi:type="xsd:string"/>
  </impl:inviteGroupManager>
</soap:Body>
</soap:Envelope>
```

**Listing 27 inviteGroupManager Response**

```

HTTP 200
Date: Thu, 19 Oct 2006
15:39:42 GMT Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=dMaR0kL6k7aOrLoH; path=/
Content-Length: 1311
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:inviteGroupManagerResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/en
coding/" xmlns:ns1="G2P_API">
      <inviteGroupManagerResult
soapenc:arrayType="ns1:Field[2]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
">
        <inviteGroupManagerResult
          href="#id0" />
        <inviteGroupManagerResult
          href="#id1" />
      </inviteGroupManagerResult>
    </ns1:inviteGroupManagerResponse>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Field"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <name xsi:type="xsd:string">accessURL</name>
      <value
xsi:type="xsd:string">https://www.gotomypc.com/managership/43673632/622C9
</value>
    </multiRef>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/en
coding/" xsi:type="ns3:Field" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
">
      <name xsi:type="xsd:string">groupManagerId</name>
      <value xsi:type="xsd:string">1580934262</value>
    </multiRef>
  </soapenv:Body>
</soapenv:Envelope>

```

## createGroupManager

Now let's create a new manager for our newly created group. Here we use connection ID "168545:FB7FD2C007B8294", the groupId "53138", email "groupManager@email.com", firstName "Group", lastName "Manager", password "password123", forcePasswordReset "true", and we leave timeZoneKey and automaticDST blank to inherit the company defaults.

The response is the groupId of the newly created group manager "1715014240"

### Listing 28 createGroupManager Request

```
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 1073

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:createGroupManager>
    <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    <groupIds xsi:type="impl:ArrayOfString"
soapenc:arrayType="soapenc:string[1]">
      <Item>53138</Item>
    </groupIds>
    <email xsi:type="xsd:string">groupManager@email.com</email>
    <firstName xsi:type="xsd:string">Group</firstName>
    <lastName xsi:type="xsd:string">Manager</lastName>
    <password xsi:type="xsd:string">password123</password>
    <forcePasswordReset
xsi:type="xsd:boolean">true</forcePasswordReset>
    <timeZoneKey xsi:type="xsd:string"/>
    <automaticDST xsi:type="xsd:string"/>
  </impl:createGroupManager>
</soap:Body>
</soap:Envelope>
```

**Listing 29 createGroupManager Response**

```
HTTP 200
Date: Tue, 01 Aug 2006 16:38:06 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=C8gKjBdErWcMvwMk; path=/
Content-Length: 477
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:createGroupManagerResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <groupManagerId xsi:type="xsd:string">1715014240</groupManagerId>
    </ns1:createGroupManagerResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

## updateGroupManager

Perhaps this group manager hasn't yet started as an employee, so we want to suspend them until their start date. Here we use connection ID "168545:FB7FD2C007B8294", the groupManagerId "1715014240", status "suspend", sendSuspendNotification "false", and leave the rest of the parameters empty since we are not changing them.

### Listing 30 updateGroupManager Request

```
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 996

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:updateGroupManager>
    <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    <groupManagerId xsi:type="xsd:string">1715014240</groupManagerId>
    <status xsi:type="xsd:string">suspend</status>
    <sendSuspendNotification
xsi:type="xsd:string">>false</sendSuspendNotification>
    <email xsi:nil="true"/>
    <firstName xsi:nil="true"/>
    <lastName xsi:nil="true"/>
    <password xsi:nil="true"/>
    <forcePasswordReset xsi:nil="true"/>
    <timeZoneKey xsi:nil="true"/>
    <automaticDST xsi:nil="true"/>
  </impl:updateGroupManager>
</soap:Body>
</soap:Envelope>
```



**Listing 31 updateGroupManager Response**

```

HTTP 200
Date: Tue, 01 Aug 2006 16:46:15 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=jReo09xoZr9dWnOk; path=/
Content-Length: 380
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:updateGroupManagerResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API" />
  </soapenv:Body>
</soapenv:Envelope>

```

**deleteGroupManager**

Now we need to delete an old group manager. Here we use connection ID "168545:FB7FD2C007B8294", the groupManagerId "1985556961", and sendNotification set to "false" so the manager is not notified.

**Listing 32 deleteGroupManager Request**

```

User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 684

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:deleteGroupManager>
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
      <groupManagerId xsi:type="xsd:string">1985556961</groupManagerId>
      <sendNotification xsi:type="xsd:boolean">>false</sendNotification>
    </impl:deleteGroupManager>
  </soap:Body>
</soap:Envelope>

```

**Listing 33 deleteGroupManager Response**

```
HTTP 200
Date: Tue, 01 Aug 2006 16:49:40 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=M3R6OP7wzZai5-Ok; path=/
Content-Length: 380
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:deleteGroupManagerResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API" />
  </soapenv:Body>
</soapenv:Envelope>
```

## inviteUser

Now let's invite a new user to our newly created group. Here we use connection ID "168545:FB7FD2C007B8294", the groupId "53138", email "user5@email.com", firstName "User", lastName "Five", sendNotification "false", subject "GoToMyPC Invitation Email", and personalizedMessage and confirmationEmailAddress are left blank to inherit the default email message, and to not cc the invitation email to anyone.

The response is an array of Field containing the userId of the newly created user "757510324" and the accessURL "https://www.gotomypc.com/activate/1991135739/047C8"

### Listing 34 inviteUser Request

```
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 1067

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:inviteUser>
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
      <groupId xsi:type="xsd:string">53138</groupId>
      <email xsi:type="xsd:string">user5@email.com</email>
      <firstName xsi:type="xsd:string">User</firstName>
      <lastName xsi:type="xsd:string">Five</lastName>
      <sendNotification xsi:type="xsd:boolean">>false</sendNotification>
      <subject xsi:type="xsd:string">GoToMyPC Invitation
      Email</subject>
      <personalizedMessage xsi:type="xsd:string"/>
    </impl:inviteUser>
  </soap:Body>
</soap:Envelope>
```

**Listing 35 inviteUser Response**

```

HTTP 200
Date: Thu, 19 Oct 2006
15:47:56 GMT Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=_wBxZDZ6fP82VDqH;
path=/ Content-Length: 1253
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:inviteUserResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/enc
oding/" xmlns:ns1="G2P_API">
      <inviteUserResult soapenc:arrayType="ns1:Field[2]"
xsi:type="soapenc:Array"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/enco
ding/">
        <inviteUserResult href="#id0" />
        <inviteUserResult href="#id1" />
      </inviteUserResult>
    </ns1:inviteUserResponse>
    <multiRef id="id1" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xsi:type="ns2:Field"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns2="G2P_API">
      <name xsi:type="xsd:string">accessURL</name>
      <value
xsi:type="xsd:string">https://www.gotomypc.com/activate/1991135739/047C8<
/value>
    </mu
    ltiR
    ef>
    <multiRef id="id0" soapenc:root="0"
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/enc
oding/" xsi:type="ns3:Field" xmlns:ns3="G2P_API"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/">
      <name xsi:type="xsd:string">userId</name>
      <value xsi:type="xsd:string">757510324</value>
    </mu
    ltiR
    ef>
  </soapenv:Body>
</soapenv:Envelope>

```

## createUser

Now let's add a new user to our newly created group. Here we use connection ID "168545:FB7FD2C007B8294", the groupId "53138", email "user4@email.com", firstName "User", lastName "Four", password "password123", forcePasswordReset "true", and timeZoneKey and automaticDST are left blank to inherit the company defaults.

The response is the userId of the newly created user "687116970"

### Listing 36 createUser Request

```
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 969

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:createUser>
    <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
    <groupId xsi:type="xsd:string">53138</groupId>
    <email xsi:type="xsd:string">user4@email.com</email>
    <firstName xsi:type="xsd:string">User</firstName>
    <lastName xsi:type="xsd:string">Four</lastName>
    <password xsi:type="xsd:string">password123</password>
    <forcePasswordReset
xsi:type="xsd:boolean">true</forcePasswordReset>
    <timeZoneKey xsi:type="xsd:string"/>
    <automaticDST xsi:type="xsd:string"/>
  </impl:createUser>
</soap:Body>
</soap:Envelope>
```

**Listing 37 createUser Response**

```
HTTP 200
Date: Tue, 01 Aug 2006 16:57:42 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=Nv1aTdEPe18jN1Qk; path=/
Content-Length: 444
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:createUserResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API">
      <userId xsi:type="xsd:string">687116970</userId>
    </ns1:createUserResponse>
  </soapenv:Body>
</soapenv:Envelope>
```

## updateUser

Perhaps this user hasn't yet started as an employee, so we want to suspend them until their start date. Here we use connection ID "168545:FB7FD2C007B8294", the userId "687116970", status "suspend", sendSuspendNotification "false", and leave the rest of the parameters empty since we are not changing them.

### Listing 38 updateUser Request

```
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 995

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:updateUser>
      <connectionId
xsi:type="xsd:string">122309407:D63C73E48F10214</connectionId>
      <userId xsi:type="xsd:string">687116970</userId>
      <status xsi:type="xsd:string">suspend</status>
      <sendSuspendNotification
xsi:type="xsd:string">>false</sendSuspendNotification>
      <groupId xsi:nil="true"/>
      <email xsi:nil="true"/>
      <firstName xsi:nil="true"/>
      <lastName xsi:nil="true"/>
      <password xsi:nil="true"/>
      <forcePasswordReset xsi:nil="true"/>
      <timeZoneKey xsi:nil="true"/>
      <automaticDST xsi:nil="true"/>
    </impl:updateUser>
  </soap:Body>
</soap:Envelope>
```

**Listing 39 updateUser Response**

```
HTTP 200
Date: Tue, 01 Aug 2006 17:01:09 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=ygyWfAFOAW6NaORk; path=/
Content-Length: 372
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:updateUserResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API" />
  </soapenv:Body>
</soapenv:Envelope>
```

---

**updateUserWithLocale**

Here we use connection ID "3:A73CD85A2200CA6", the userId "662887942", status "Unsuspend", sendSuspendNotification "false", and leave the rest of the parameters empty since we are not changing them.



**Listing 40 updateUserWithLocale Request**

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 604

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
  <impl:updateUserW
ithLocale>
    <connectionId
xsi:type="xsd:string">3:A73CD85A2200CA6</connectionId>
    <userId xsi:type="xsd:string">662887942</userId>
    <sendNotification xsi:type="xsd:boolean">>false</sendNotification>
    <status xsi:type="xsd:string">Unsuspend</status>
    <sendSuspendNotification
xsi:type="xsd:string">>false</sendSuspendNotification>
  <groupId xsi:nil="true"/>
  <email xsi:nil="true"/>
  <firstName xsi:nil="true"/>
  <lastName xsi:nil="true"/>
  <password xsi:nil="true"/>
  <forcePasswordReset xsi:nil="true"/>
  <timeZoneKey xsi:nil="true"/>
  <automaticDST xsi:nil="true"/>
  <locale xsi:type="xsd:string">ja_JP</locale>
</impl:updateUserWithLocale>
</soap:Body>
</soap:Envelope>
```

**Listing 41 updateUserWithLocale Response**

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 604

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:updateUserWithLocal
      eResponse
      soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      xmlns:ns1="G2P_API" />
  </soapenv:Body>
</soapenv:Envelope>
```

## updateGroupManagerWithLocale

Here we use connection ID "168545:FB7FD2C007B8294", the groupId "1715014240", status "suspend", sendSuspendNotification "false", and leave the rest of the parameters empty since we are not changing them

### Listing 42 updateGroupManagerWithLocale Request

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 604

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
    soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:updateGroupM
      anagerWithLocale>
      <connectionId
        xsi:type="xsd:string">3:A73CD85A2200CA6</connectionId>
      <userId xsi:type="xsd:string">1960508704</userId>
      <status xsi:type="xsd:string">Unsuspend</status>
      <sendSuspendNotification
        xsi:type="xsd:string">true</sendSuspendNotification>
      <email xsi:nil="true"/>
      <firstName xsi:nil="true"/>
      <lastName xsi:nil="true"/>
      <password xsi:nil="true"/>
      <forcePasswordReset xsi:nil="true"/>
      <timeZoneKey xsi:nil="true"/>
      <automaticDST xsi:nil="true"/>
      <locale xsi:type="xsd:string">ja_JP</locale>
    </impl:updateGroupManagerWithLocale>
  </soap:Body>
</soap:Envelope>
```

**Listing 43 updateGroupManagerWithLocale Response**

```
POST /services/G2P_API HTTP/1.1
Host: www.gotomypc.com:443
User-Agent: Crosscheck Networks SOAPSonar
Content-Type: text/xml; charset=utf-8
SOAPAction: ""
Content-Length: 604

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
  xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>
    <ns1:updateGroupManagerWith
      LocaleResponse
      soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
      xmlns:ns1="G2P_API" />
    </soapenv:Body>
  </soapenv:Envelope>
```

## deleteUser

Perhaps we find that this new user has chosen not to accept a position as an employee, so we need to delete them. Here we use connection ID "168545:FB7FD2C007B8294", the userId "687116970", and sendNotification set to "false" so the user is not notified.

### Listing 44 deleteUser Request

```
User Agent: Crosscheck Networks SOAPSonar
Content
Type: text/xml; charset=utf
8
SOAPAction: ""
Content
Length: 651

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soapenc="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:impl="G2P_API">
  <soap:Body
soap:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/">
    <impl:deleteUser>
      <connectionId
xsi:type="xsd:string">168545:FB7FD2C007B8294</connectionId>
      <userId xsi:type="xsd:string">687116970</userId>
      <sendNotification xsi:type="xsd:boolean">>false</sendNotification>
    </impl:deleteUser>
  </soap:Body>
</soap:Envelope>
```

**Listing 45 deleteUser Response**

```
HTTP 200
Date: Tue, 01 Aug 2006 17:04:02 GMT
Server: Apache
Cache-Control: private
Set-Cookie: JSESSIONID=HLjOdAuUWt6mBsSk; path=/
Content-Length: 372
Keep-Alive: timeout=15, max=100
Connection: Keep-Alive
Content-Type: text/xml; charset=utf-8

<?xml version="1.0" encoding="utf-8"?>
<soapenv:Envelope
xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <soapenv:Body>

    <ns1:deleteUserResponse
soapenv:encodingStyle="http://schemas.xmlsoap.org/soap/encoding/"
xmlns:ns1="G2P_API" />
  </soapenv:Body>
</soapenv:Envelope>
```